

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10794	kumiai.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 08:34
L2	19	L1 and (dimethoxypyrimidin dimethoxy sulfonylanilide) and (carboxamide tetrazole chlorophenyl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 08:34
L4	196	herbicide same fentrazamide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 11:04
L5	0	tetrazolinone and sulfonylanilide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 11:05
L6	1	tetrazolinone and sulfonyl adj anilide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 11:10
L7	334	fentrazamide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 11:10
S1	13	difluoromethanesulfonylanilide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 08:11

EAST Search History

S2	32203	kawasaki.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 12:46
S3	835	kawasaki-hiroshi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 12:52
S4	133	miyazawa-takeshige.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 12:59
S5	7	S3 and S4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 12:59
S6	184	(504/128).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/12 08:19
S7	218	(504/134).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/12 08:11
S8	283	(504/136).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/12 08:11

EAST Search History

S9	393	S6 S7 S8 and (dimethoxypyrimidin\$ sulfonylanilide) and (carboxamide tetrazole chlorophenyl\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 08:25
S10	59	(S6 S7 S8) and (dimethoxypyrimidin\$ sulfonylanilide) and (carboxamide tetrazole chlorophenyl\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 08:25
S13	10794	kumiai.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 08:16
S14	2	kumiai.as. and fluoromethanesulfonyl adj anilide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 08:17

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INVENTOR SEARCH

=> d ibib abs hitstr 15 1

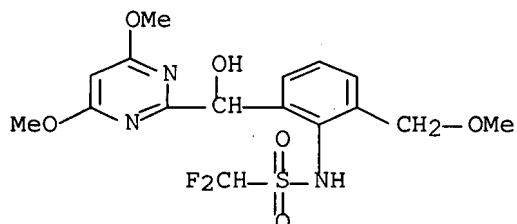
L5 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2003:777481 HCAPLUS Full-text
 DOCUMENT NUMBER: 139:256716
 TITLE: Herbicidal composition and method of weeding with the same
 INVENTOR(S): Kawasaki, Hiroshi; Miyazawa, Takeshige
 PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 20 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003079784	A1	20031002	WO 2003-JP3541	20030324
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003221022	A1	20031008	AU 2003-221022	20030324
CN 1642417	A	20050720	CN 2003-806904	20030324
US 2005170964	A1	20050804	US 2003-507929	20030324
PRIORITY APPLN. INFO.:			JP 2002-88886	A 20020327
			WO 2003-JP3541	W 20030324
AB	A herbicidal composition is presented which comprises a combination in a specific proportion of: ingredient (A) which is 2-[(4,6-dimethoxypyrimidin-2-yl)hydroxymethyl]-6-methoxymethyl-N-difluoromethanesulfonylanilide; with ingredient (B) which is any of fifteen compds. including 4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide. None of the fifteen compds. has been used in combination with the compound of ingredient (A). When applied to a paddy field at a specific dose, the herbicidal composition shows excellent herbicidal activity against various weeds growing in paddy fields. The phytotoxicity thereof to paddy plants is extremely low.			
IT	601499-73-4 601499-76-7 601499-78-9 601499-80-3 601499-82-5 601499-88-1 601499-90-5 601499-92-7 601499-94-9 601499-96-1 601499-98-3 601500-00-9 601500-02-1 601500-05-4			
	RL: AGR (Agricultural use); BCP (Biochemical process); BIOL (Biological study); PROC (Process); USES (Uses) (rice field synergistic herbicidal composition containing)			
RN	601499-73-4 HCAPLUS			
CN	1H-Tetrazole-1-carboxamide, 4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-, mixt. with N-[2-[(4,6-dimethoxy-2-			

pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

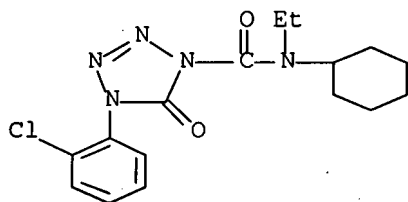
CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S



CRN 158237-07-1

CMF C16 H20 Cl N5 O2

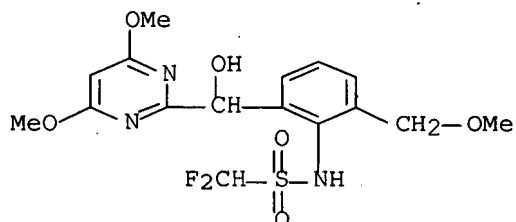


RN 601499-76-7 HCAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 3-[1-(3,5-dichlorophenyl)-1-methylethyl]-2,3-dihydro-6-methyl-5-phenyl-4H-1,3-oxazin-4-one (9CI)
(CA INDEX NAME)

CRN 221205-90-9

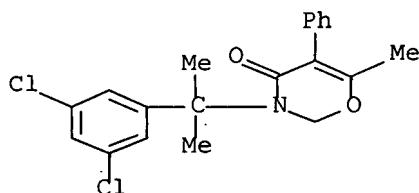
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 153197-14-9

CMF C20 H19 Cl2 N O2



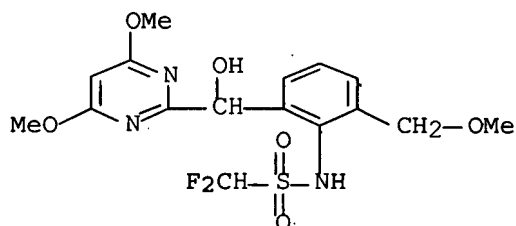
RN 601499-78-9 HCAPLUS

CN Carbamothioic acid, (6-methoxy-2-pyridinyl)methyl-, O-[3-(1,1-dimethylethyl)phenyl] ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

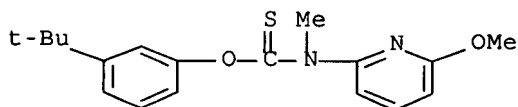
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 88678-67-5

CMF C18 H22 N2 O2 S



RN 601499-80-3 HCAPLUS

CN Phosphoramidothioic acid, (1-methylpropyl)-, O-ethyl O-(5-methyl-2-nitrophenyl) ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-

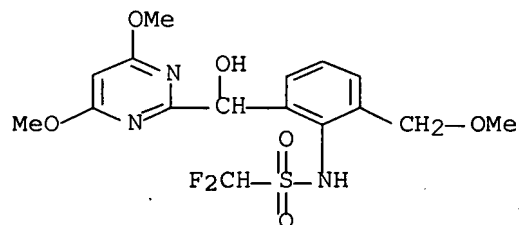
10/507,929

difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

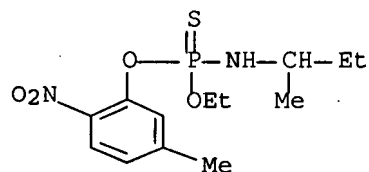
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 36335-67-8

CMF C13 H21 N2 O4 P S



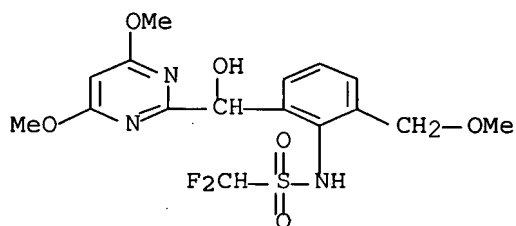
RN 601499-82-5 HCAPLUS

CN Phosphorodithioic acid, S-[2-[(4-chlorophenyl)(1-methylethyl)amino]-2-oxoethyl] O,O-dimethyl ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S

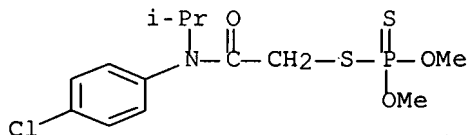


10/507,929

CM 2

CRN 64249-01-0

CMF C13 H19 Cl N O3 P S2



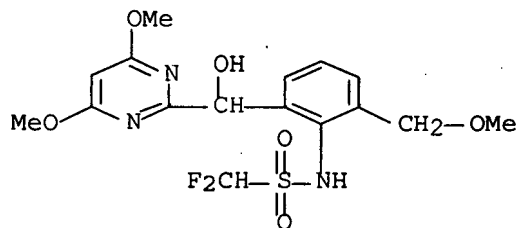
RN 601499-88-1 HCAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 3-[2,4-dichloro-5-(2-propynyloxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one (9CI)
(CA INDEX NAME)

CM 1

CRN 221205-90-9

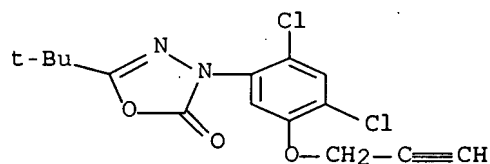
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 39807-15-3

CMF C15 H14 Cl2 N2 O3



RN 601499-90-5 HCAPLUS

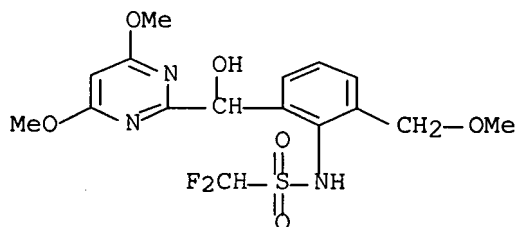
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 3-[2-chloro-4-(methylsulfonyl)benzoyl]-4-(phenylthio)bicyclo[3.2.1]oct-3-en-2-one (9CI)
(CA INDEX NAME)

10/507,929

CM 1

CRN 221205-90-9

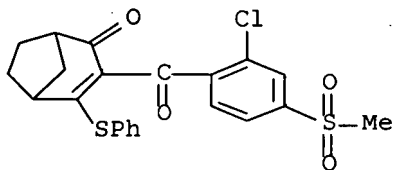
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 156963-66-5

CMF C22 H19 Cl O4 S2



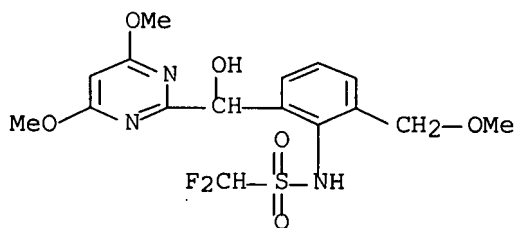
RN 601499-92-7 HCAPLUS

CN 3,5-Pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-, S,S-dimethyl ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

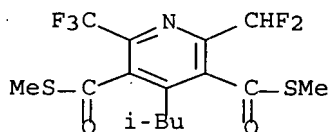
CMF C16 H19 F2 N3 O6 S



CM 2

10/507,929

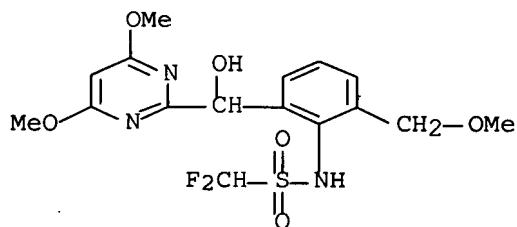
CRN 97886-45-8
CMF C15 H16 F5 N O2 S2



RN 601499-94-9 HCAPLUS
CN 1H-Azepine-1-carbothioic acid, hexahydro-, S-ethyl ester, mixt. with
N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-
1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

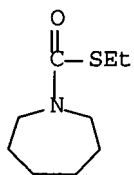
CM 1

CRN 221205-90-9
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 2212-67-1
CMF C9 H17 N O S



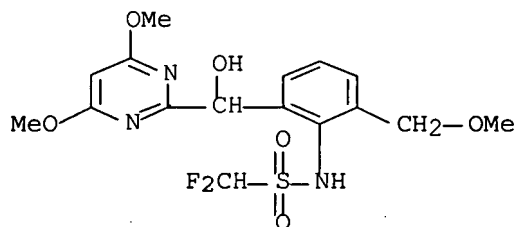
RN 601499-96-1 HCAPLUS
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 2-amino-3-chloro-1,4-naphthalenedione (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

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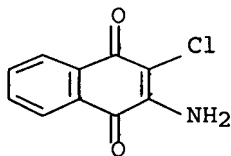
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 2797-51-5

CMF C10 H6 Cl N O2



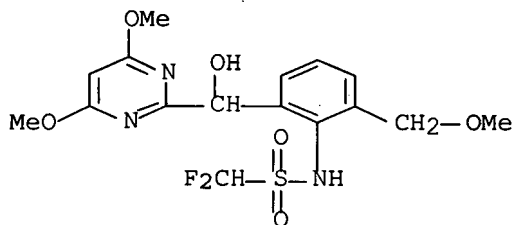
RN 601499-98-3 HCAPLUS

CN Benzoic acid, 2-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-6-[(1E)-1-(methoxyimino)ethyl]-, methyl ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S



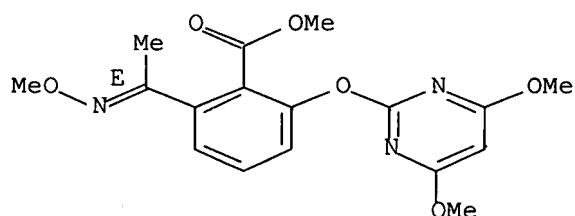
CM 2

CRN 147411-69-6

CMF C17 H19 N3 O6

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Double bond geometry as shown.



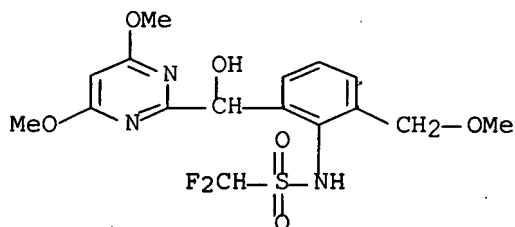
RN 601500-00-9 HCAPLUS

CN Benzoic acid, 2-[[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonylmethyl]-, methyl ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

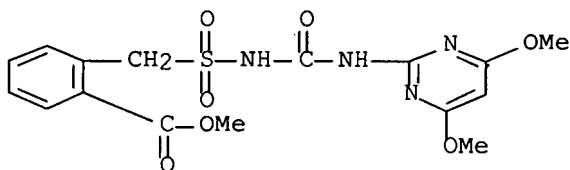
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 83055-99-6

CMF C16 H18 N4 O7 S



RN 601500-02-1 HCAPLUS

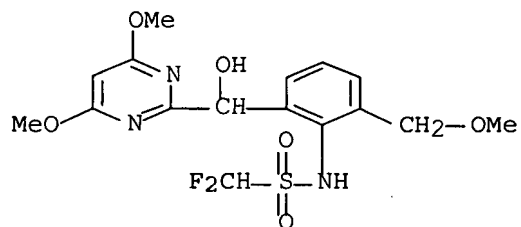
CN 1H-Pyrazole-4-carboxylic acid, 5-[[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-1-methyl-, ethyl ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

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CM 1

CRN 221205-90-9

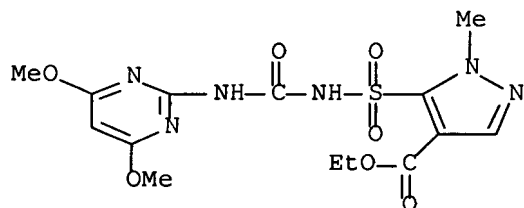
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 93697-74-6

CMF C14 H18 N6 O7 S



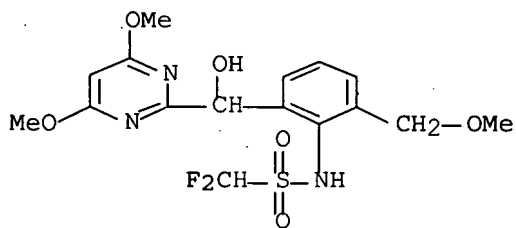
RN 601500-05-4 HCAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 7-[(4,6-dimethoxy-2-pyrimidinyl)thio]-3-methyl-1(3H)-isobenzofuranone (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

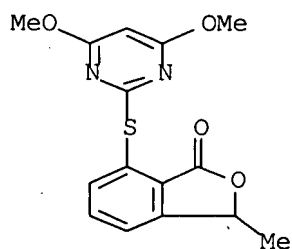
CMF C16 H19 F2 N3 O6 S



CM 2

10/507,929

CRN 135186-78-6
CMF C15 H14 N2 O4 S



IT 601499-86-9

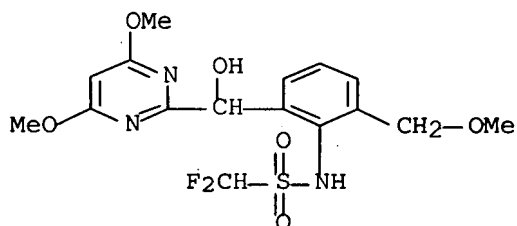
RL: BCP (Biochemical process); BIOL (Biological study); PROC (Process)
(rice field synergistic herbicidal composition containing)

RN 601499-86-9 HCAPLUS

CN Benzoic acid, 5-(2,4-dichlorophenoxy)-2-nitro-, methyl ester, mixt. with
N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-
1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

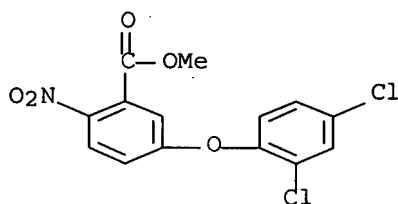
CM 1

CRN 221205-90-9
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 42576-02-3
CMF C14 H9 Cl2 N O5



10/507,929

REFERENCE COUNT:

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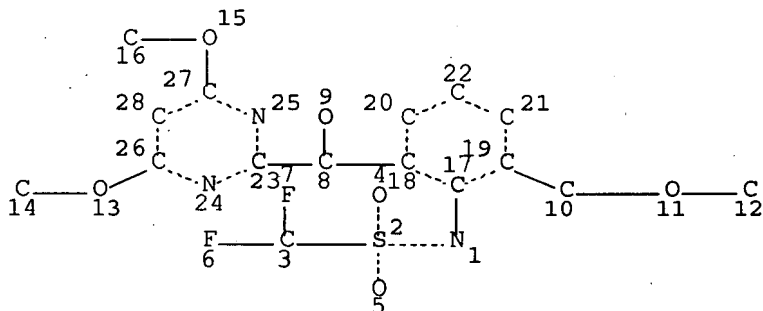
THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

SEARCH IN REGISTRY, CAPLUS, AND USPATFULL

(Please note: Structure of "A" which was furnished did not include (6-methoxymethyl-), so that substitution was added to the structure for searching. Search was done using CRN's and also using the structures, with the same results.)

=> d que stat 124

L6 64 SEA FILE=REGISTRY ABB=ON 221205-90-9/CRN
 L7 89 SEA FILE=REGISTRY ABB=ON 158237-07-1/CRN
 L8 2 SEA FILE=REGISTRY ABB=ON L6 AND L7
 L9 2 SEA FILE=HCAPLUS ABB=ON L8
 L10 1 SEA FILE=USPATFULL ABB=ON L8
 L11 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

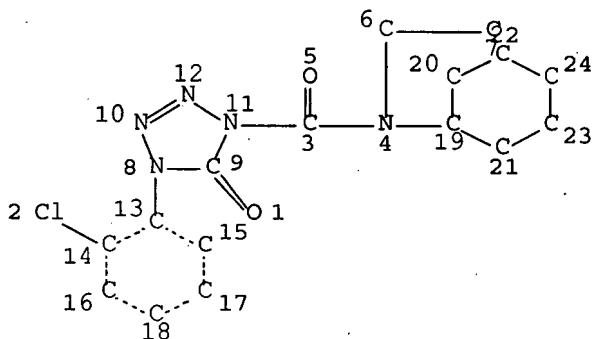
RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 28

STEREO ATTRIBUTES: NONE

L13 82 SEA FILE=REGISTRY SSS FUL L11

L14 STR



NODE ATTRIBUTES:

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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 24

STEREO ATTRIBUTES: NONE

L16 102 SEA FILE=REGISTRY SSS FUL L14
 L17 2 SEA FILE=REGISTRY ABB=ON L13 AND L16
 L18 2 SEA FILE=HCAPLUS ABB=ON L17
 L19 2 SEA FILE=HCAPLUS ABB=ON L9 OR L18
 L20 1 SEA FILE=USPATFULL ABB=ON L17
 L21 1 SEA FILE=USPATFULL ABB=ON L10 OR L20
 L22 3 DUP REMOV L19 L21 (0 DUPLICATES REMOVED)
 L23 3 SEA L22 AND (PRD<20040917 OR PD<20040917)
 L24 3 SEA L23 AND (?RICE? OR ?PADDY?)

=> d ibib abs hitstr l24 1-3

L24 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:1173613 HCAPLUS Full-text
 DOCUMENT NUMBER: 143:401148
 TITLE: Synergistic herbicide compositions and their application to rice paddy
 INVENTOR(S): Endo, Keiji; Ito, Seishi; Nakajima, Takehiko
 PATENT ASSIGNEE(S): Bayer Cropscience K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005306813	A	20051104	JP 2004-128639	20040423 <--
PRIORITY APPLN. INFO.:			JP 2004-128639	20040423 <--

AB Title compns. contain (A) 2-[(4,6-dimethoxypyrimidin-2-yl)hydroxymethyl]-6-methoxymethyl-N-difluoromethanesulfonylanilide (I), (B) mefenacet, anilofos, fentrazamide, oxaziclomefone, and/or oxadiazon, and (C) other herbicides and/or antidotes. The ingredients are simultaneously, sequentially, or sep. applied to rice paddy. Thus, application of aqueous composition containing I 50, fentrazamide 200, and daimuron 600 g/ha to rice paddy resulted in 100% herbicidal activity and no damage to rice.

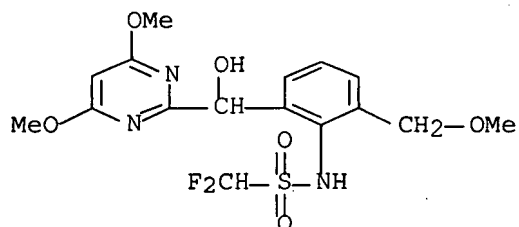
IT 867351-15-3
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
 (synergistic herbicide compns. containing sulfonylanilide derivative for rice paddy)

RN 867351-15-3 HCAPLUS

CN 1H-Tetrazole-1-carboxamide, 4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide and N-(4-methylphenyl)-N'-(1-methyl-1-phenylethyl)urea (9CI) (CA INDEX NAME)

CM 1

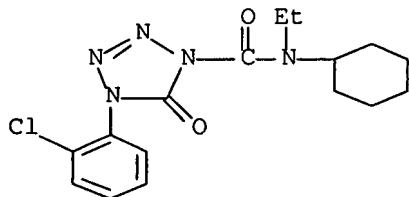
CRN 221205-90-9
 CMF C16 H19 F2 N3 O6 S



CM 2

CRN 158237-07-1

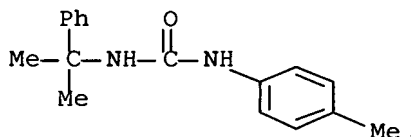
CMF C16 H20 Cl N5 O2



CM 3

CRN 42609-52-9

CMF C17 H20 N2 O



L24 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2003:777481 HCAPLUS Full-text
 DOCUMENT NUMBER: 139:256716
 TITLE: Herbicidal composition and method of weeding with the same
 INVENTOR(S): Kawasaki, Hiroshi; Miyazawa, Takeshige
 PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 20 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2003079784	A1	20031002	WO 2003-JP3541	20030324 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003221022	A1	20031008	AU 2003-221022	20030324 <--
CN 1642417	A	20050720	CN 2003-806904	20030324 <--
US 2005170964	A1	20050804	US 2003-507929	20030324 <--
PRIORITY APPLN. INFO.:			JP 2002-88886	A 20020327 <--
			WO 2003-JP3541	W 20030324 <--

AB A herbicidal composition is presented which comprises a combination in a specific proportion of: ingredient (A) which is 2-[(4,6-dimethoxypyrimidin-2-yl)hydroxymethyl]-6-methoxymethyl-N-difluoromethanesulfonylanilide; with ingredient (B) which is any of fifteen compds. including 4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide. None of the fifteen compds. has been used in combination with the compound of ingredient (A). When applied to a paddy field at a specific dose, the herbicidal composition shows excellent herbicidal activity against various weeds growing in paddy fields. The phytotoxicity thereof to paddy plants is extremely low.

IT 601499-73-4

RL: AGR (Agricultural use); BCP (Biochemical process); BIOL (Biological study); PROC (Process); USES (Uses)

(rice field synergistic herbicidal composition containing)

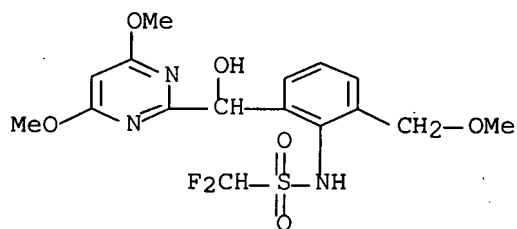
RN 601499-73-4 HCAPLUS

CN 1H-Tetrazole-1-carboxamide, 4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

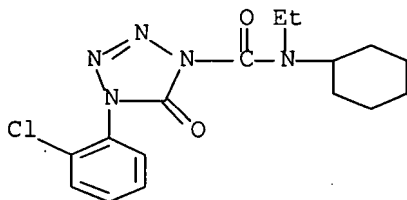
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 158237-07-1

CMF C16 H20 Cl N5 O2



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 3 OF 3 USPATFULL on STN

ACCESSION NUMBER: 2005:196821 USPATFULL Full-text

TITLE: Herbicidal composition and method of weeding with the same

INVENTOR(S): Kawasaki, Hiroshi, Tokyo, JAPAN
Miyazawa, Takeshige, Tokyo, JAPAN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005170964	A1	20050804
APPLICATION INFO.:	US 2003-507929	A1	20030324 (10)
	WO 2003-JP3541		20030324

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2002-88886	20020327
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	WENDEROTH, LIND & PONACK, L.L.P., 2033 K STREET N. W., SUITE 800, WASHINGTON, DC, 20006-1021, US	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
LINE COUNT:	476	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided is a herbicide composition which comprises a combination in a specific proportion of 2-[(4,6-dimethoxypyrimidin-2-yl)hydroxymethyl]-6-methoxymethyl-N-difluoromethanesulfonylanilide as the component (A) and either one of fifteen kinds of compounds including 4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide as the component (B), none of which has been used in combination with the compound as the component (A). By an application of the herbicide composition to a paddy field in a specific dose, an excellent herbicidal effect is obtained against various kinds of weeds growing in paddy fields and the chemical damages thereof to paddy rice is extremely low.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 601499-73-4

(rice field synergistic herbicidal composition containing)

RN 601499-73-4 USPATFULL

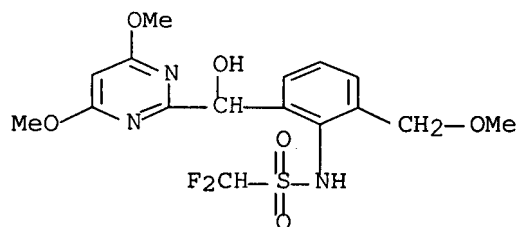
CN 1H-Tetrazole-1-carboxamide, 4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

10/507,929

CM 1

CRN 221205-90-9

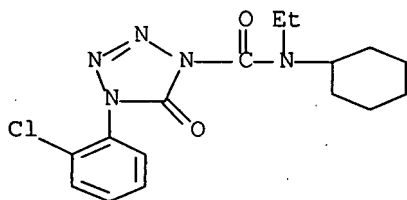
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 158237-07-1

CMF C16 H20 Cl N5 O2



SEARCH HISTORY

=> d his ful

(FILE 'HOME' ENTERED AT 10:50:11 ON 16 JUL 2007)

FILE 'HCAPLUS' ENTERED AT 10:50:25 ON 16 JUL 2007

E KAWASAKI HIROSHI/AU

L1 622 SEA ABB=ON ("KAWASAKI HIROSHI"/AU OR "KAWASAKI HIROSI"/AU)

E MIYAZAWA TAKESHIGE/AU

L2 47 SEA ABB=ON "MIYAZAWA TAKESHIGE"/AU

L3 3 SEA ABB=ON L1 AND L2

SELECT RN L3 1-3

DELETE SELECT

SELECT RN L3 2

FILE 'REGISTRY' ENTERED AT 10:51:29 ON 16 JUL 2007

L4 15 SEA ABB=ON (601499-73-4/BI OR 601499-76-7/BI OR 601499-78-9/BI
 OR 601499-80-3/BI OR 601499-82-5/BI OR 601499-86-9/BI OR
 601499-88-1/BI OR 601499-90-5/BI OR 601499-92-7/BI OR 601499-94
 -9/BI OR 601499-96-1/BI OR 601499-98-3/BI OR 601500-00-9/BI OR
 601500-02-1/BI OR 601500-05-4/BI)

FILE 'HCAPLUS' ENTERED AT 10:51:35 ON 16 JUL 2007

L5 1 SEA ABB=ON L3 AND L4

FILE 'REGISTRY' ENTERED AT 11:06:33 ON 16 JUL 2007

L6 64 SEA ABB=ON 221205-90-9/CRN

L7 89 SEA ABB=ON 158237-07-1/CRN

L8 2 SEA ABB=ON L6 AND L7

FILE 'HCAPLUS' ENTERED AT 11:07:08 ON 16 JUL 2007

L9 2 SEA ABB=ON L8

FILE 'USPATFULL' ENTERED AT 11:07:31 ON 16 JUL 2007

L10 1 SEA ABB=ON L8

FILE 'REGISTRY' ENTERED AT 11:07:58 ON 16 JUL 2007

L11 STRUCTURE 221205-90-9

L12 5 SEA SSS SAM L11

L13 82 SEA SSS FUL L11

L14 STRUCTURE 158237-07-1

L15 3 SEA SSS SAM L14

L16 102 SEA SSS FUL L14

L17 2 SEA ABB=ON L13 AND L16

FILE 'HCAPLUS' ENTERED AT 11:08:57 ON 16 JUL 2007

L18 2 SEA ABB=ON L17

L19 2 SEA ABB=ON L9 OR L18

FILE 'USPATFULL' ENTERED AT 11:09:28 ON 16 JUL 2007

L20 1 SEA ABB=ON L17

L21 1 SEA ABB=ON L10 OR L20

FILE 'HCAPLUS, USPATFULL' ENTERED AT 11:09:45 ON 16 JUL 2007

L22 3 DUP REMOV L19 L21 (0 DUPLICATES REMOVED)

L23 3 SEA ABB=ON L22 AND (PRD<20040917 OR PD<20040917)

L24 3 SEA ABB=ON L23 AND (?RICE? OR ?PADDY?)

FILE HOME

FILE HCAPLUS

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FILE LAST UPDATED: 15 Jul 2007 (20070715/ED)

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DICTIONARY FILE UPDATES: 15 JUL 2007 HIGHEST RN 942400-66-0

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<http://www.cas.org/support/stngen/stndoc/properties.html>

FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 12 Jul 2007 (20070712/PD)
FILE LAST UPDATED: 12 Jul 2007 (20070712/ED)
HIGHEST GRANTED PATENT NUMBER: US7243374
HIGHEST APPLICATION PUBLICATION NUMBER: US2007163022
CA INDEXING IS CURRENT THROUGH 12 Jul 2007 (20070712/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 12 Jul 2007 (20070712/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2006
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2006